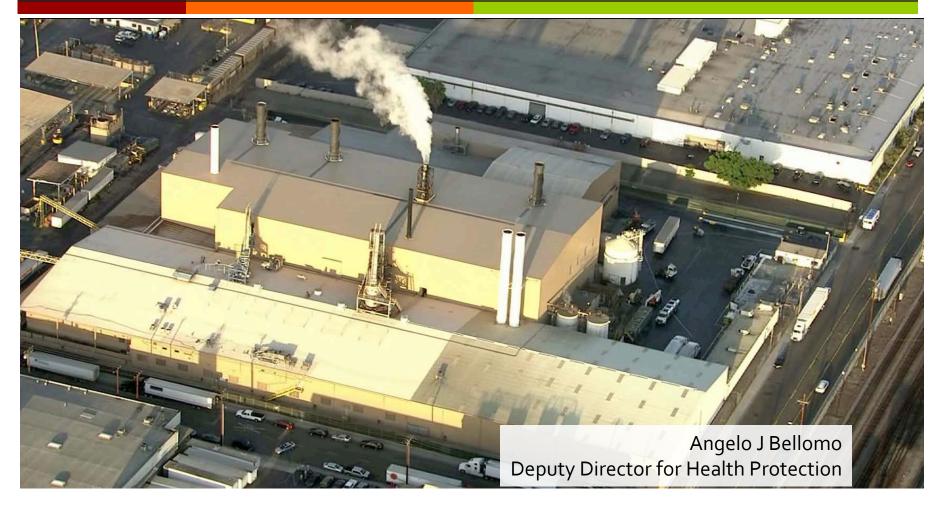
Protecting health in the communities surrounding Exide





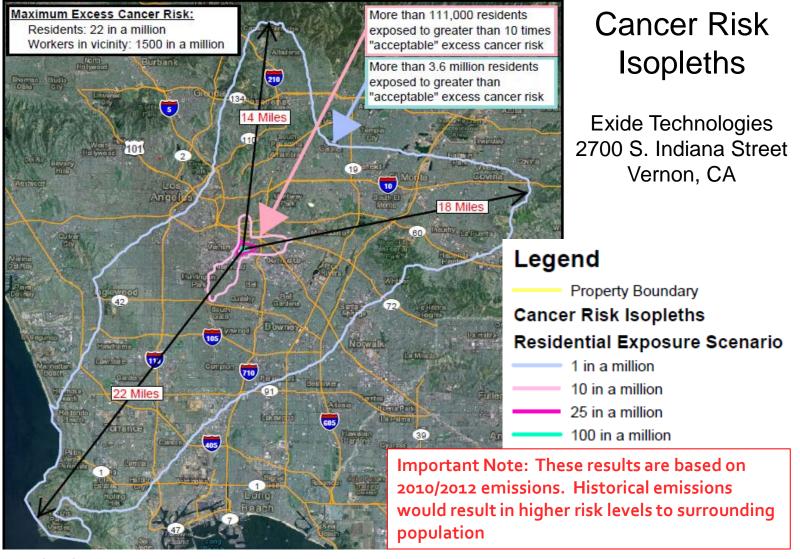
Need for County action

- Magnitude of Exide's chemical emissions
 - 3,458 tons (7 million lbs.) of lead released to air
 - Elevated health risk to more than 100,000 residents
- Exide's long record of non-compliance and criminal violations
- State's poor record of oversight and failure to cleanup with due level of urgency



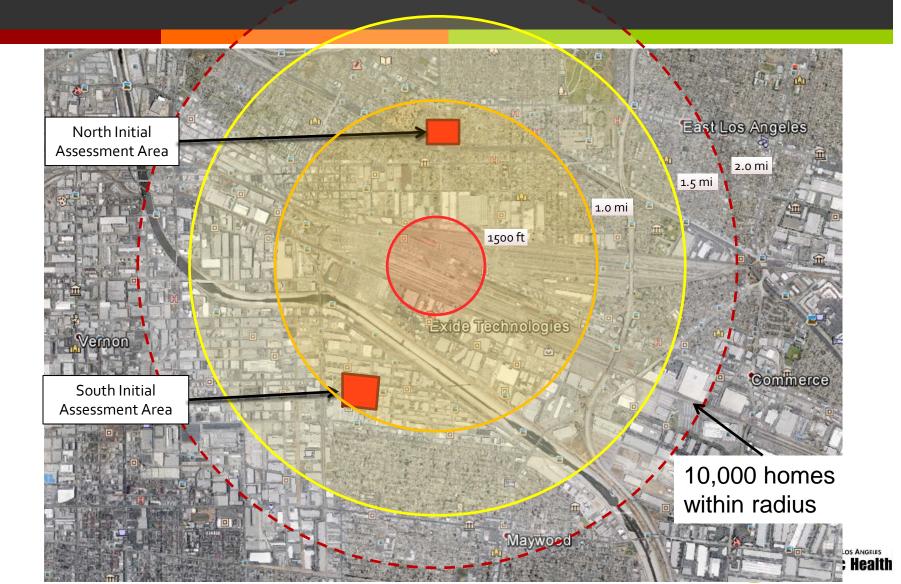
Key chemicals emitted by Exide: Possible health effects

<u>Chemical</u>	<u>Health Effects</u>		
Lead	 Lower IQ, learning disabilities, behavior disorders, hearing problems, and abnormal bone growth in children Increased risk of violent crime and delinquent behavior in teens and adults Kidney & nerve damage, anemia, and high blood pressure Problems with fertility, mood, memory, coordination, and vision 		
Benzene	 Increased risk of cancer (acute myelogenous leukemia) Anemia, immune system problems 		
1,3-Butadiene	 Increased risk of cancer (stomach, blood, and lymphatic system) 		
Arsenic	 Increased risk of cancer (liver, bladder, lungs, and skin/soft tissue) Skin discoloration Lower life expectancy 		



*Modified from "Revised AB2588 Health Risk Assessment" January 2013

Widespread soil contamination



County priority actions

- A. Rapid testing and prioritization of residential properties
- B. Facilitate cleaning of contaminated home interiors
- C. Assessment of industrial and commercial areas
- Enhanced medical screening for early detection of disease in the community
- E. Expedite State cleanup of affected properties through legal and political means



Rapid testing of residential properties

Approach to testing

- Multiple teams
- Use of direct-reading instruments

Phased assessment

Phase 1: 1000 homes

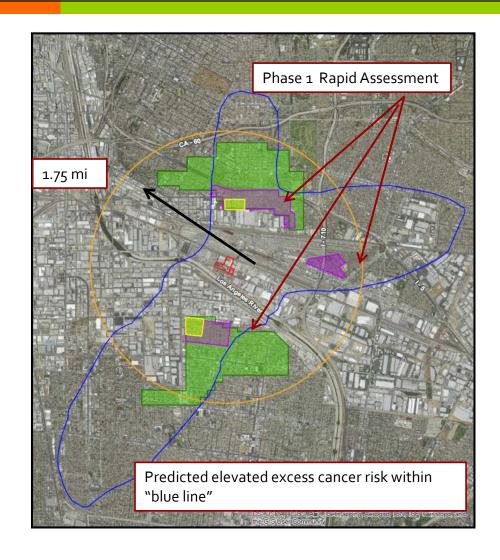
Phase 2: 9000 homes

Time to complete Phase 1

 60 days after access agreements in place

Expected cost

• ~\$1M (~\$850/home)



Estimated number of homes requiring cleanup per DTSC protocol

Lead Concentration (mg/kg)	Regulatory Criteria	DTSC Cleanup Priority	Projected No. of Homes	
> 1,000	"Hazardous Waste" Level	1	1,000	
> 400	Federal Residential Action Level	2	3,000	
> 80	DTSC Residential Cleanup Level	3	6,000	
TOTAL HOMES 10,000				



Current and future health needs of the community

- Insurance enrollment assistance for eligible residents; connecting patients with established providers; and working with the Medi-Cal to improve access to services.
- Outreach to local clinical providers on key risk areas to improve early disease detection.
- Cancer-screening for early detection, diagnosis, and treatment.
- Early screening for childhood asthma, affordable access to medications, and asthma education for patients, families, and local schools.
- Screening and intervention for children with learning difficulties and behavioral conditions.

Estimated costs

-	Rapid assessme	nt of affected homes	s - Phase 1	\$800 k
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- Assessment of industrial / commercial area \$250 k
- Facilitate effective cleaning of home interiors \$450 k
- Outreach & assistance\$500 k
 - Public information campaign
 - Outreach to residents & health care providers
 - Screening for uninsured
 - Emergencies